

Appl. No. 10/803,909  
Amendment under 37 C.F.R. § 1.114(c)

Q80517

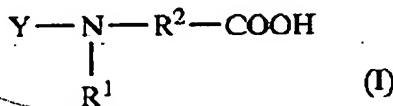
## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

### LISTING OF CLAIMS:

1. (canceled).

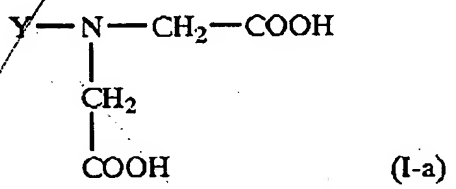
2. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I) and ~~at least one group selected from an onium group and an acidic group at its side chain~~ and an infrared laser photosensitive positive recording layer containing an infrared absorbing agent disposed on a support in this order:



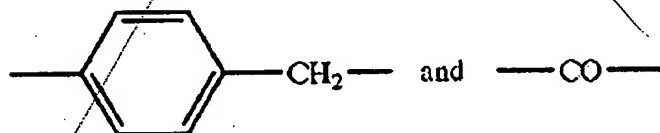
wherein Y represents a connecting group connected with a main chain of the polymer;  $\text{R}^1$  is a hydrocarbon group substituted with a carboxylic acid group; and  $\text{R}^2$  is a straight-chain hydrocarbon group or an hydrocarbon group substituted with a carboxylic acid group.

3. (previously presented): The planographic printing plate precursor according to claim 2, wherein in the formula (I),  $\text{R}^1$  is an alkyl group substituted with a carboxylic acid group, and  $\text{R}^2$  is a straight-chain alkylene group.

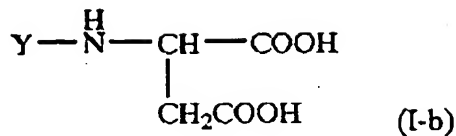
4. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-a) and at least one group selected from an onium group and an acidic group at its side chain and an infrared laser photosensitive positive recording layer containing an infrared absorbing agent disposed on a support in this order:



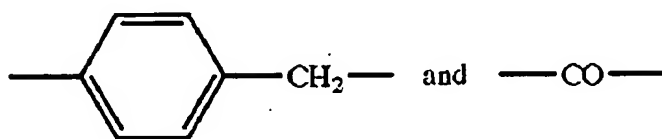
wherein Y represents a connecting group selected from the following structures



5. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-b) ~~and at least one group selected from an onium group and an acidic group at its side chain~~ and an infrared laser photosensitive positive recording layer containing an infrared absorbing agent disposed on a support in this order:



wherein Y represents a connecting group selected from the following structures.



6. (previously presented): The planographic printing plate precursor according to claim 2, wherein a content of the structure represented by the formula (I) in the polymer is 5% by mole or more.

7. (previously presented): The planographic printing plate precursor according to claim 2, wherein the polymer is a polymer obtained by copolymerizing a monomer having the structure represented by the formula (I) with another monomer.

8. (previously presented): The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an onium group.

9. (previously presented): The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an acidic group.